Read Me First

HP StorageWorks EVA3000 Starter Kit

First Edition
September 2004

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This document contains the product information for the EVA3000 Starter Kit and instructions regarding capacity increases. For the latest version of this Read Me First and other Enterprise Virtual Array documentation, go to: http://www.hp.com/go/eva3000.

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HP StorageWorks EVA3000 Starter Kit Read Me First
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EVA3000 Starter Kit introduction

Description

The HP StorageWorks EVA3000 Starter Kit is a 2 GB Fibre Channel SAN array that includes management software and installation and startup services to enable simple deployment for first-time SAN implementation. The EVA3000 Starter Kit is a 2C1D configuration which includes a pair of HSV100 controllers and a single FC drive enclosure with over 1TB of drive capacity (8 x 146 Gb HDDS). The HP OpenView Storage Operations Manager (SOM) Documentation & Media kit with licensing for 2 TB activation of two Secure Path host licenses (HP-UX, Windows, Linux, Solaris, AIX, or NetWare) is included in the kit. Data centers initiating SAN technology for the first time can take advantage of the end-to-end Fibre Channel technology and the simplicity of the management features offered in the EVA3000 Starter Kit. This kit allows capacity increases when needed.

Intended audience

This document is intended to assist those installing and operating the HP StorageWorks Enterprise Virtual Array and the HP OpenView Storage Operations Manager v1.2.

Contents

- HP OpenView Storage Operations Manager v1.2

- 2 x 1 TB LTU to run HP OpenView Storage Operations Manager v1.2

- 5 x 2 Secure Path licenses for the following operating systems:

    - AIX

    - HP-UX

    - Linux

    - NetWare

    - Solaris

    - Windows

- 2C1D array configuration

- 8 x 146 GB 10K drives

EVA3000 Starter Kit features

- This integrated configuration with disk drives is simple, easy, and ensures that the storage solution completely meets the customer requirements upon arrival.

- The EVA Foundation Services solution quickly deploys a highly available Enterprise Virtual Array storage platform into production and delivers ongoing hardware and VCS support.

- Outstanding self-tuning performance provides consistency in meeting application service level agreements, allowing your users/clients to accomplish more in less time, scale capacity on-demand, and minimize data administration overhead.

- State-of-the-art controller software with virtualization technology helps improve performance, increases disk utilization efficiency, and allows for easy dynamic storage expansion—all helping to lower costs.

- The Virtually Capacity-Free Snapshot (Vsnap) function can save storage administrators significant disk space and improve disk utilization efficiency.

- The Virtually Instantaneous Snapclone copy capability allows immediate use of the clone copy and can save customers significant time.

- Enhanced versatility and cost effectiveness provided by the ability to perform Snapclones between high performance disks and the new FATA disks.

- Support of HP StorageWorks Business Copy EVA — Complete with an improved User Interface and support for Virtually Capacity Free Snapshot (Vsnap) function which can save customers significant disk space and improve disk utilization efficiency. HP StorageWorks Business Copy EVA includes Virtually Instantaneous Snapclone copy capability.

- The EVA allows for increased flexibility and improved capacity utilization by support for Vraid type change with Cross Vraid Snapshot and Snapclone within the same disk group and Cross Vraid Snapclone across disk groups. Cross Vraid Snapclone also supports changing the Vraid type when Snapcloning from a high performance disk group to a FATA disk group.

- Easy to use management tools, which allow management of larger SAN configurations with more servers and more storage solutions, reducing management time by up to 15 times and substantially lowering costs.

- Through the EVA's no charge Instant Support Enterprise Edition (ISEE) remote monitoring capabilities, the EVA has the ability to provide self-monitoring and diagnosis as well as transmitting status information to an HP service center for proactive problem resolution.

EVA3000 Starter Kit entitlements

Warranty service declarations

The EVA3000 Starter Kit includes the same level of warranty protection for each component of the kit that HP supplies with each product sold separately. Specifically, the EVA3000 2C1D array configuration (8 x 146 GB drives included in the kit as well as the 6 additional drives allowable at the point of sale) carries the standard 3-year, 24 x 7, 4-hour response for the hardware as well as the 3-year, 24 x 7, 2-hour response VCS phone support and VCS updates attached to all EVA3000 configurations.

Secure Path license information

Multiple HP StorageWorks Secure Path Kits ship with the EVA3000 Starter Kit. Please note that while many operating system Secure Path kits are included in your physical shipment only two (2) Secure Path host licenses are authorized for the operating system of your choice, which will be activated during the installation and startup process.

The activation and installation service for two (2) Secure Path host licenses is included in the purchase price of the EVA3000 Starter Kit. The two Secure Path host licenses you choose for activation carry a 1-year, 24 x 7, 2-hour response phone support warranty. To activate host licenses for any of the other Secure Path operating system kits that ship with the EVA3000 Starter Kit, contact your HP authorized service representative to discuss installation options and billing. Currently, HP provides the same warranty for any additional Secure Path host licenses you purchase.

Both OpenView Storage Operations Manager 1 TB licenses carry a 1-year, 24 x 7, 2-hour phone in response, documentation, and LTU updates.

Note Tru64 UNIX and OpenVMS have native multi-path capabilities that are supported on the EVA3000 and do not require Secure Path.

Command View EVA is not licensed as part of the HP OpenView SOM v1.1 product. It is a paper license, which does not require retrieval of a license key from the HP license retrieval web site. This license key is only used if installing HP OpenView Storage Node Manager.

Installation and startup service

Installation and startup service for the EVA3000 array, VCS, OpenView SOM, and two Secure Path hosts is included with your EVA3000 Starter Kit. Although OpenView Storage Node Manager (SNM) is included in the OpenView Storage Operations Manager kit, installation of SNM is not included with the EVA3000 Starter Kit. The two licenses that you also received are for the license enablement of SNM, should you choose to install this at a later date. If you desire SNM installation, please discuss installation options and billing with your HP authorized service representative.

Adding capacity to the EVA3000 Starter Kit

The EVA3000 Starter Kit is expandable. The HSV100 controller pair supports up to four drive enclosures; thus you may add three additional drive enclosures to the EVA3000 Starter Kit at any time. To purchase additional M5314 drive enclosures, order 344819–B21 and the high performance or FATA FC HDDs of your choice. Go to the EVA3000 product page http://h18006.www1.hp.com/products/storageworks/eva3000/specifications.html for the latest EVA3000 QuickSpecs for disk drive part numbers.

HP OpenView Storage Operations Manager (SOM) documentation

For recent HP OpenView Storage Operations Manager (SOM) documentation, refer to http://h18006.www1.hp.com/products/storage/software/som/index.html. For recent Command View EVA documentation, refer to http://h20000.www2.hp.com/bizsupport/TechSupport/DocumentIndex.jsp?contentType=SupportManual&prodTypeId=12169&prodSeriesId=359617.